



What is a Reference Design?

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HISTORY

- ★ **OIR for Demand Response (2-years +)**
 - ◆ Dynamic vs. Static tariffs and AMI
- ★ **CPUC decision is legal document**
- ★ **Avoid unintentional consequences**
- ★ **Unambiguous mapping**
- ★ **Reference design is a parallel process**
- ★ **Must accurately reflect new regulations**



BACKGROUND

- ★ **Reference designs hide in plain sight**
- ★ **Markets (and consequently industries) are typically built upon formal and de facto reference designs**
- ★ **Reference designs allow all companies to compete for business, create standards, evolve new applications**



HEIRARCHY

- ★ **Reference designs** define a generic vision for products, systems, etc. from which physical implementations can follow
- ★ **Functional specifications** define specific products, systems, applications, etc.
- ★ **Standards** are used to define how components can be interchanged, how different vendors products interoperate



Mapping Policy to Specifications

